Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/10/2017 11:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124400	-1	1.76	124287	1.72
Blue	F	SSC	125000	124777	-1	2.65	125191	2.41
Blue	E	FITC	23355	22798	-3	2.31	1012	10.14
Blue	D	PE	28848	28483	-2	1.91	1025	9.44
Blue	B	PerCP-Cy5-5	47791	47168	-2	3.23	1353	16.74
Blue	A	PE-Cy7	41358	40848	-2	5.03	630	35.91
Red	C	APC	51316	51042	-1	2.83	2952	9.45
Red	A	APC-Cy7	53225	52572	-2	2.83	1088	11.12
Violet	B	V450	14473	14087	-3	5.46	676	9.46
Violet	A	V500	59973	59389	-1	5.29	2626	7.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18370	6.52	609	11	N/A	N/A	Pass
Blue	F	SSC	61908	1.49	542	8	N/A	N/A	Pass
Blue	E	FITC	116	38.31	546	2	0.0213	177	Pass
Blue	D	PE	225	28.28	541	3	0.1760	262	Pass
Blue	B	PerCP-Cy5-5	214	45.20	633	3	0.0104	135	Pass
Blue	A	PE-Cy7	70	118.06	684	3	0.0116	14	Pass
Red	C	APC	345	26.74	593	-1	0.0202	12	Pass
Red	A	APC-Cy7	119	40.95	574	-2	0.0058	1851	Pass
Violet	B	V450	81	41.70	471	0	0.0518	2070	Pass
Violet	A	V500	193	24.06	502	1	0.0143	686	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/10/2017 11:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.98	-31.63	0.85
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	17.13	13.27 - 19.91	N/A	N/A	31.98	32.16	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11360

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments